

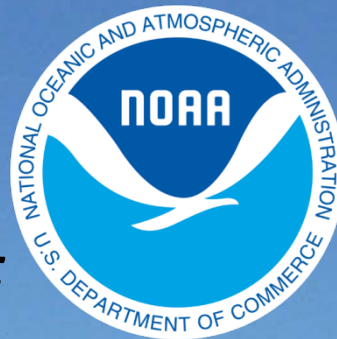
# BookletChart™

## Harbors and Landings on the Northeast and Southeast Coasts of Hawai'i

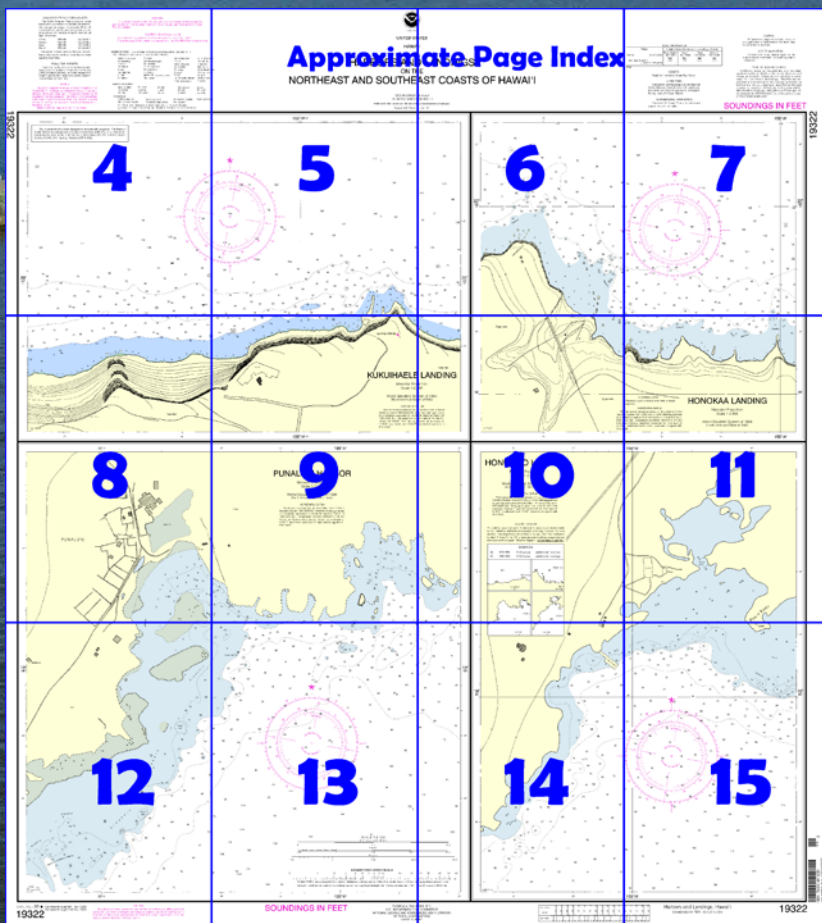
NOAA Chart 19322

*A reduced-scale NOAA nautical chart for small boaters*

*When possible, use the full-size NOAA chart for navigation.*



- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



**Published by the**  
**National Oceanic and Atmospheric Administration**  
**National Ocean Service**  
**Office of Coast Survey**  
[www.NauticalCharts.NOAA.gov](http://www.NauticalCharts.NOAA.gov)  
**888-990-NOAA**

**What are Nautical Charts?**

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

**What is a BookletChart™?**

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

**Notice to Mariners Correction Status**

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at <http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=19322>.



**(Selected Excerpts from Coast Pilot)**

**Kukuihaele Point Light** (20°07'41"N., 155°33'22"W.), 154 feet above the water, is shown from a 27-foot white concrete tower at **Kukuihaele**, 19 miles SE of Upolu Point.

**Honokaa** is 24 miles SE of Upolu Point. A power plant (Hamakua Energy) with two storage tanks, two stacks, and a cooling tower is prominent just N of Honokaa in about 20°05'38"N., 155°28'13"W. A reef that usually breaks extends 170 yards N from the landing and is marked by several bare

rocks. No shelter is available during normal weather, as the landing is open to the N and E.

**Punaluu**, 17 miles NE from Kalae, is a small bight with a black sand beach at its head. It was a former shipping point for the town of **Pahala**, 3 miles inland, but the landing is no longer used and is in disrepair; a surfaced ramp is just N of the landing. Small boats find some protection in depths of 6 to 11 feet close to the E shore of the bight.

The SW part of the bight is foul. A rock, awash at half tide, is 260 yards SSE of the landing; another, with 8 feet of water over it, is 40 yards farther offshore in the same direction. The entrance is between these rocks and the shore to the N. A rock, with 3 feet of water over it, is 0.2 mile E of the entrance and 80 yards offshore. The NE trades tend to haul more offshore in the vicinity of Punaluu Harbor, but in rough weather breakers extend completely across the entrance and passage is impossible.

**Honuapo Bay** is a slight coastal indentation 13 miles NE of Kalae. Most prominent from offshore is the 236-foot cliff 0.5 mile SW of the bay; the upper half of the cliff shows black against the light-brown background of the hills, and the lower half is a grass-covered slide. The Honuapo pier is in ruins. The bay offers good anchorage in about 20 fathoms for deep-draft vessels. The bay is exposed to the trades and offers little protection for small craft.

**U.S. Coast Guard Rescue Coordination Center**  
**24 hour Regional Contact for Emergencies**

|              |                  |                |
|--------------|------------------|----------------|
| RCC Honolulu | Commander        |                |
|              | 14th CG District | (808) 535-3333 |
|              | Honolulu, HI     |                |

# Navigation Managers Area of Responsibility



**NOAA's navigation managers** serve as ambassadors to the maritime community.

They help identify navigational challenges facing professional and recreational mariners, and provide NOAA resources and information for safe navigation. For additional information, please visit [nauticalcharts.noaa.gov/service/navmanagers](http://nauticalcharts.noaa.gov/service/navmanagers)

To make suggestions or ask questions online, go to [nauticalcharts.noaa.gov/inquiry](http://nauticalcharts.noaa.gov/inquiry).

To report a chart discrepancy, please use [ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx](http://ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx).

## Lateral System As Seen Entering From Seaward

on navigable waters except Western Rivers



For more information on aids to navigation, including those on Western Rivers, please consult the latest USCG Light List for your area.

These volumes are available online at <http://www.navcen.uscg.gov>

**NOAA WEATHER RADIO BROADCASTS**  
The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

|                 |        |            |
|-----------------|--------|------------|
| Kulani Cone, HI | KBA-99 | 162.55 MHz |
| South Point, HI | KBA-99 | 162.55 MHz |

#### POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

#### NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 14th Coast Guard District in Honolulu, Hawaii or at the Office of the District Engineer, Corps of Engineers in Honolulu, Hawaii.

Refer to charted regulation section numbers.

#### WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

#### COLREGS, 80.1410 (see note A)

International Regulations for Preventing Collisions at Sea, 1972.

The entire area of this chart falls seaward of the COLREGS Demarcation Line.

**ABBREVIATIONS** (For complete list of Symbols and Abbreviations, see Chart No. 1.)  
Aids to Navigation (lights are white unless otherwise indicated):

|                   |                          |                        |                    |
|-------------------|--------------------------|------------------------|--------------------|
| AERO aeronautical | G green                  | Mo morse code          | R TR radio tower   |
| Al alternating    | IQ interrupted quick     | N nun                  | Rot rotating       |
| B black           | Is isophase              | OBSC obscured          | s seconds          |
| En beacon         | LT LC lighthouse         | OC occulting           | SEC sector         |
| C can             | M nautical mile          | O orange               | St M statute miles |
| DIA diaphone      | m minutes                | Q quick                | VQ very quick      |
| F fixed           | MICRO TR microwave tower | R red                  | W white            |
| Fl flashing       | Mkr marker               | Ra Ref radar reflector | WHS whistle        |
|                   |                          | R Bn radiobeacon       | Y yellow           |

Bottom characteristics:

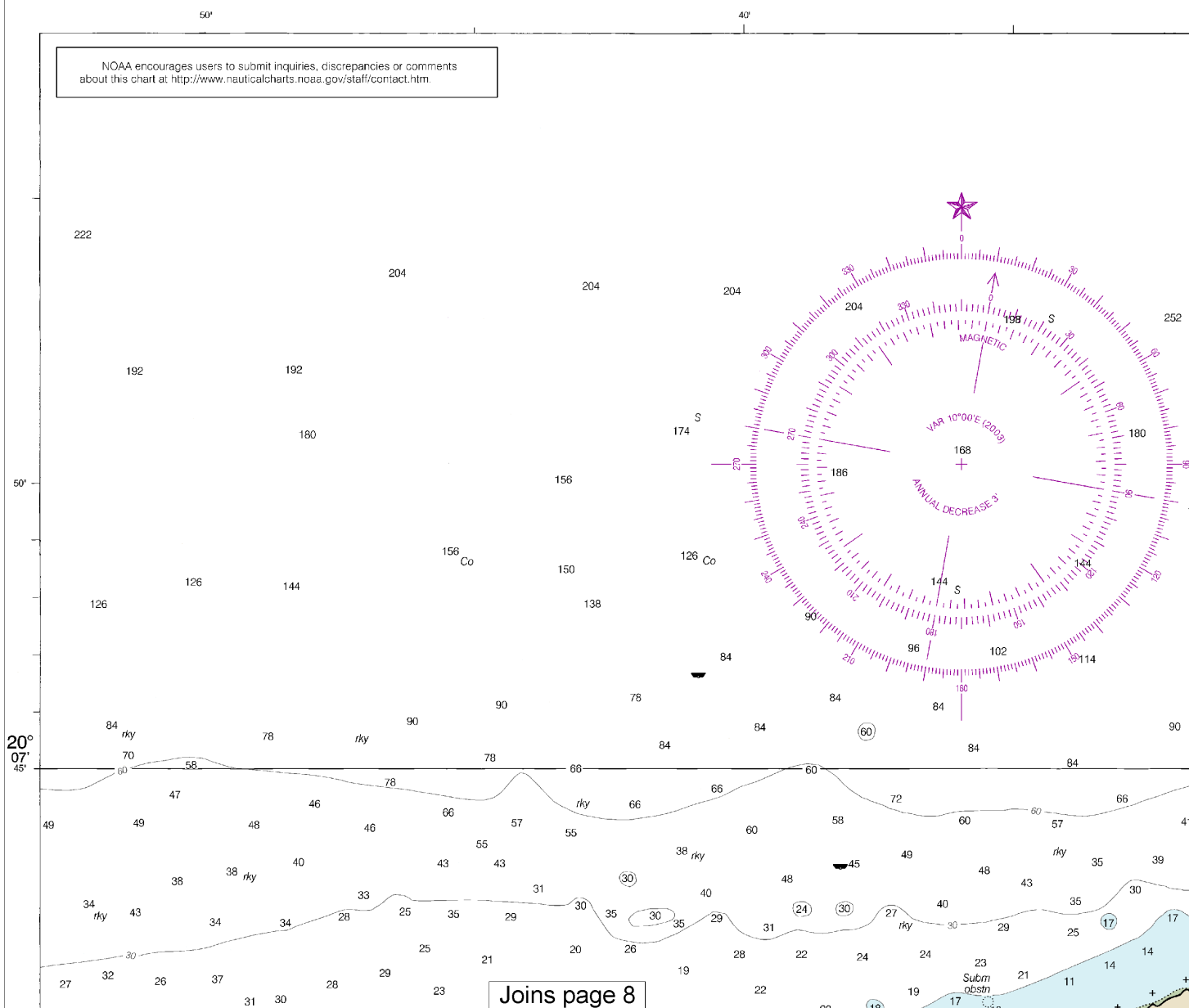
|              |           |         |             |           |
|--------------|-----------|---------|-------------|-----------|
| Bds boulders | Co coral  | gy gray | Oys oysters | so soft   |
| bk broken    | G gravel  | h hard  | Rk rock     | Sh shells |
| Cy clay      | Grs grass | M mud   | S sand      | sy sticky |

Miscellaneous:

|                       |                         |                      |                |
|-----------------------|-------------------------|----------------------|----------------|
| AUTH authorized       | Obstr obstruction       | PD position doubtful | Subm submerged |
| ED existence doubtful | PA position approximate | Rep reported         |                |

(1) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.  
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

NOAA encourages users to submit inquiries, discrepancies or comments about this chart at <http://www.nauticalcharts.noaa.gov/staff/contact.htm>.



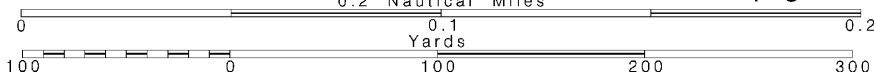
Joins page 8

4

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. SCALE 1:2,500

See Note on page 5.







UNITED STATES

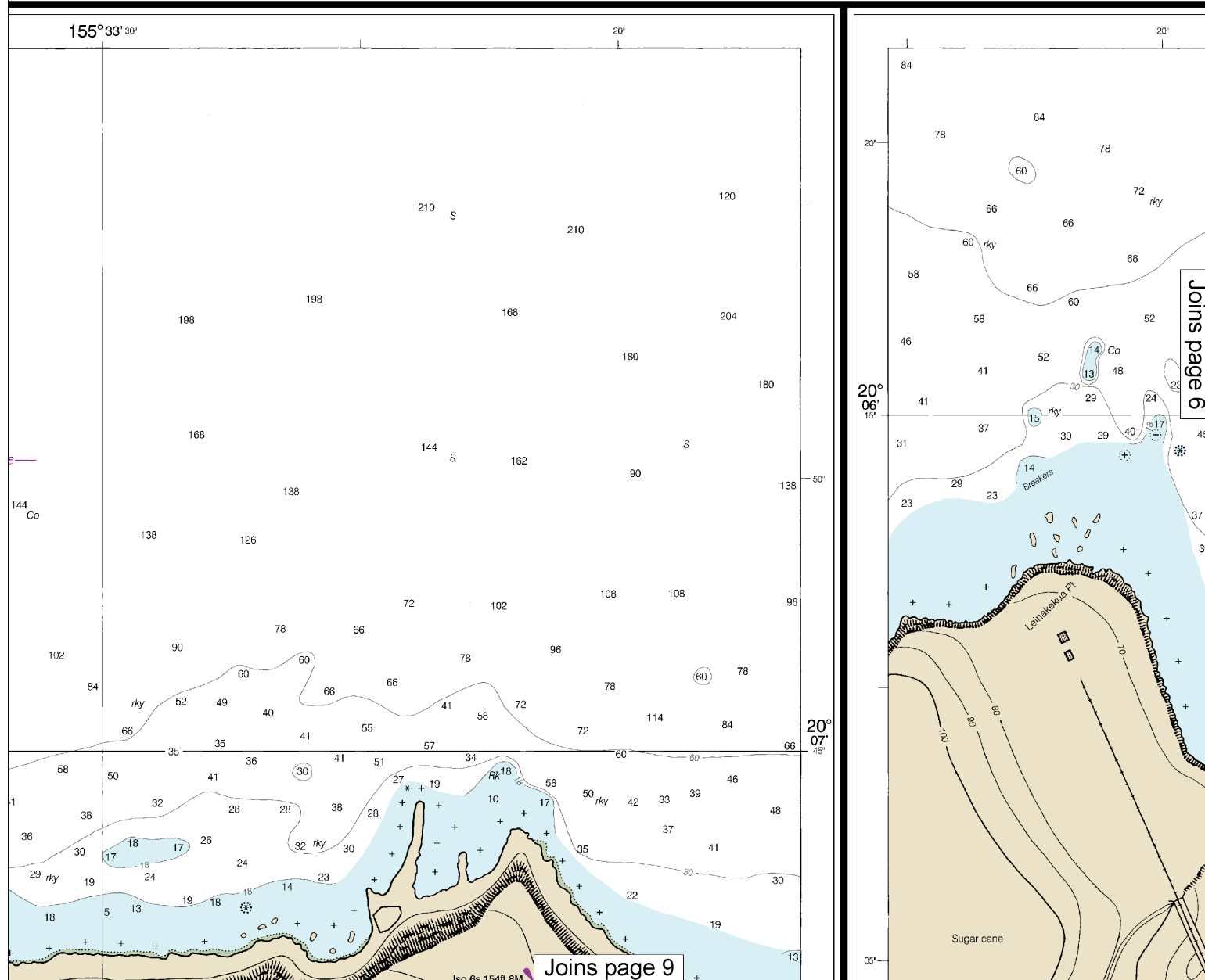
HAWAII

# HARBORS AND LANDINGS ON THE NORTHEAST AND SOUTHEAST COASTS OF HAWAI'I

SOUNDINGS IN FEET  
AT MEAN LOWER LOW WATER

Additional information can be obtained at [nauticalcharts.noaa.gov](http://nauticalcharts.noaa.gov).

Formerly C&GS 4182, 1st Ed., Apr. 1931



This BookletChart was reduced to 75% of the original chart scale.  
The new scale is 1:3333. Barscales have also been reduced and  
are accurate when used to measure distances in this BookletChart.



UNITED STATES

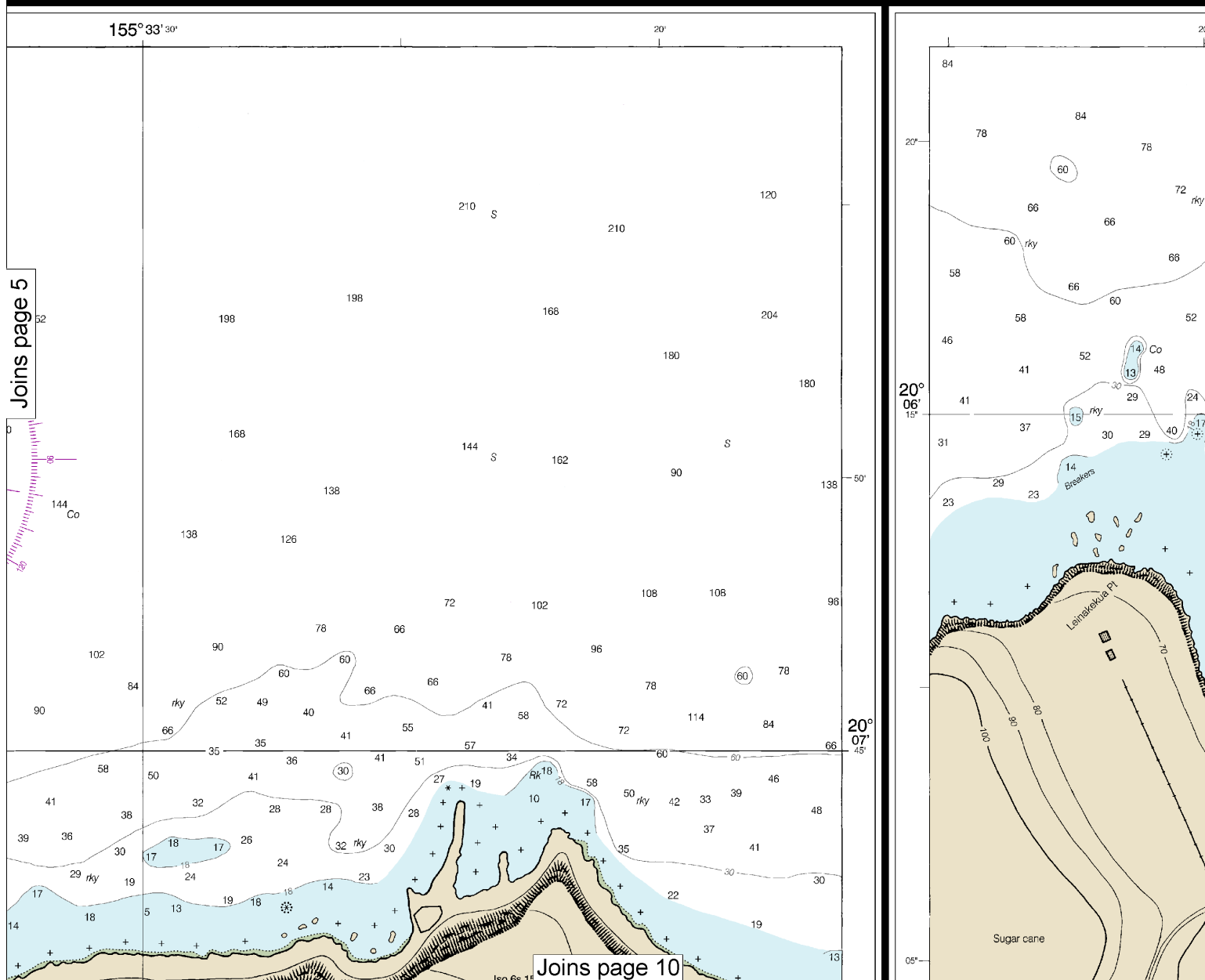
HAWAII

# HARBORS AND LANDINGS ON THE NORTHEAST AND SOUTHEAST COASTS OF HAWAI'I

SOUNDINGS IN FEET  
AT MEAN LOWER LOW WATER

Additional information can be obtained at [nauticalcharts.noaa.gov](http://nauticalcharts.noaa.gov).

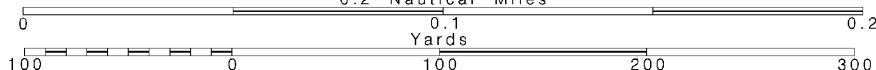
Formerly C&GS 4162, 1st Ed., Apr. 1931



6

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. SCALE 1:2,500



See Note on page 5.

| TIDAL INFORMATION   |                      |  |                         |                        |
|---------------------|----------------------|--|-------------------------|------------------------|
| Place               |                      | Height referred to datum of soundings (MLLW) |                         |                        |
| Name                | (LAT/LONG)           | Mean Higher High Water<br>feet               | Mean High Water<br>feet | Mean Low Water<br>feet |
| Honu'apo, Hawai'i I | (19°05'N / 155°33'W) | 2.5  | 2.0                     | 0.3                    |
| (703)               |                      | Extreme Low Water<br>feet<br>-1.5            |                         |                        |

(703)

#### HEIGHTS

Heights in feet above Mean High Water.

#### AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

#### SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 7 for important supplemental information.

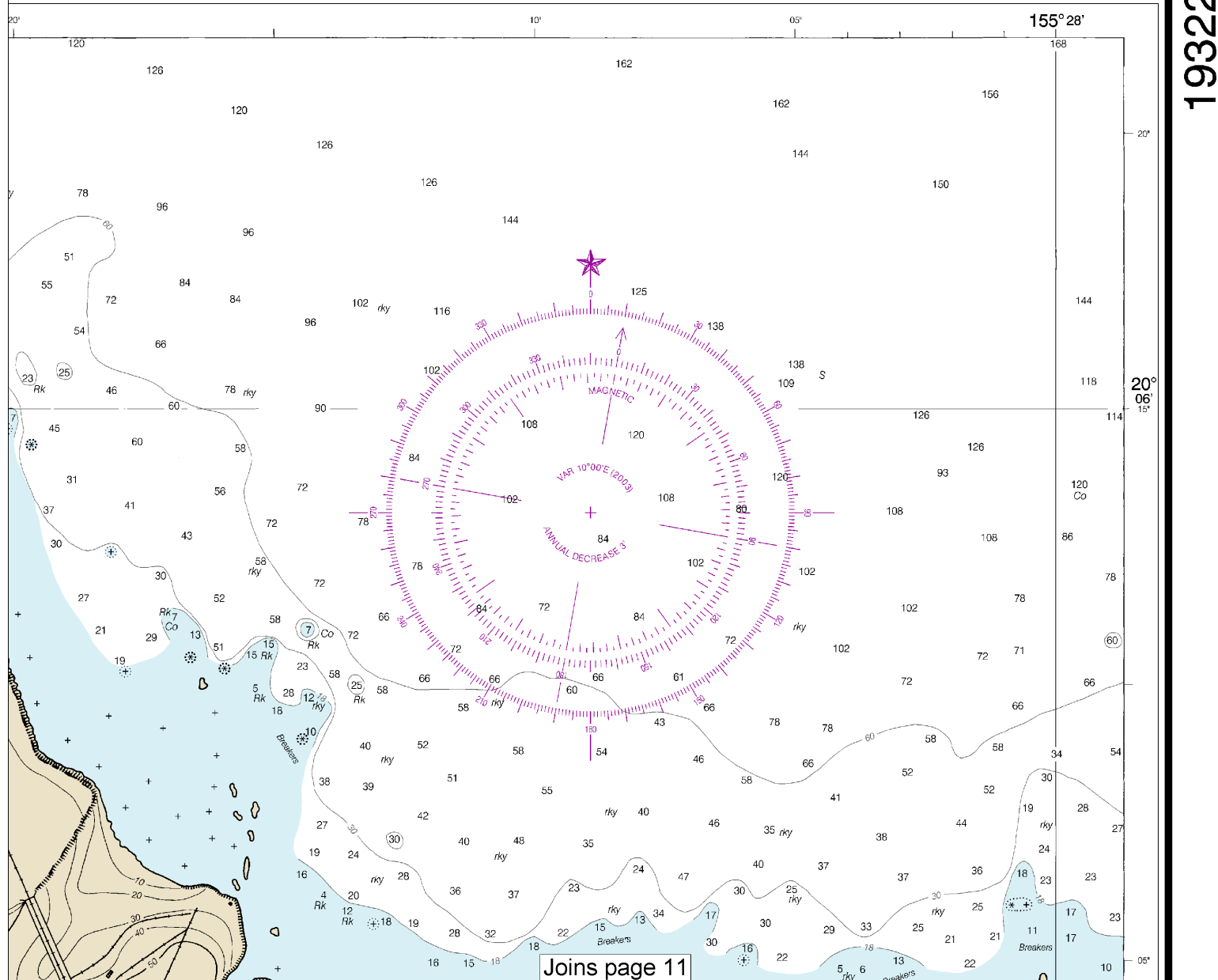
#### CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

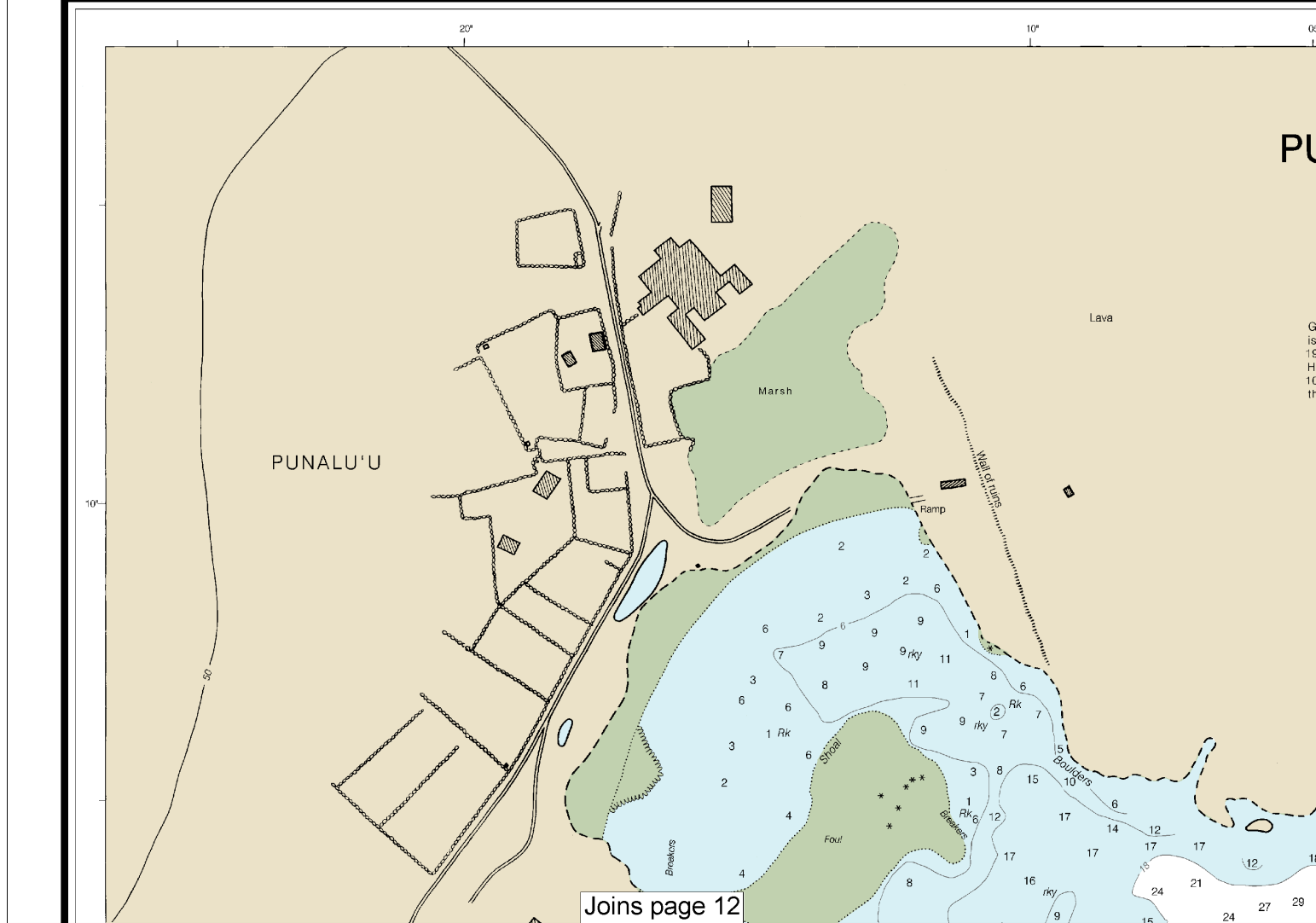
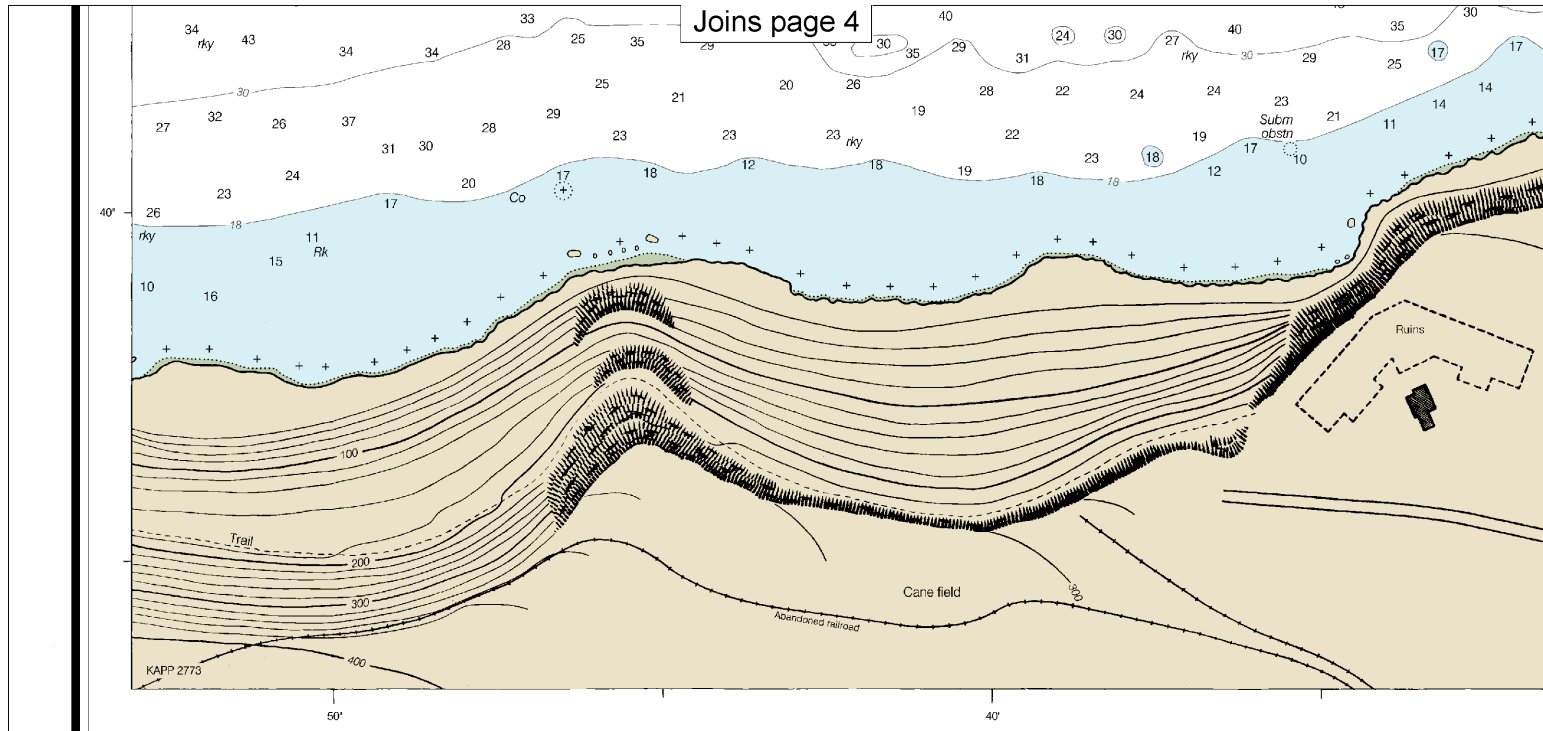
#### AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

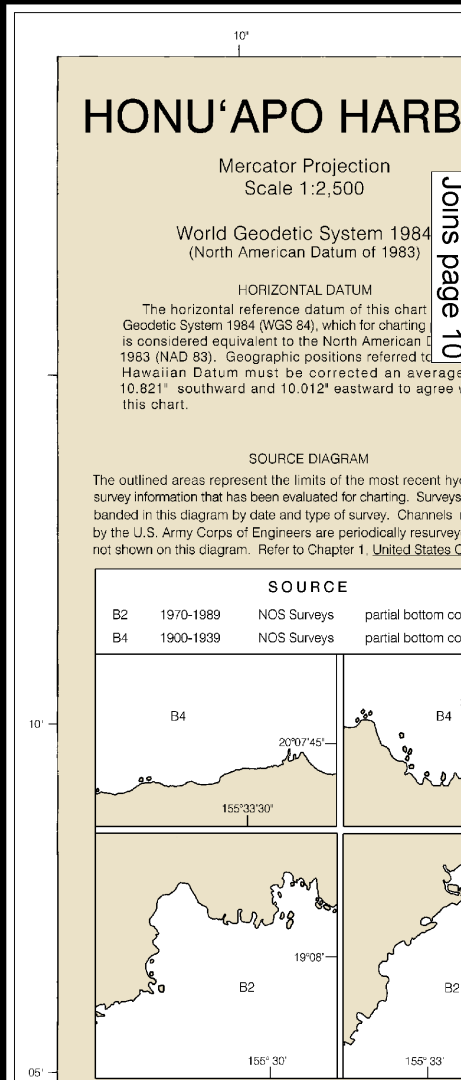
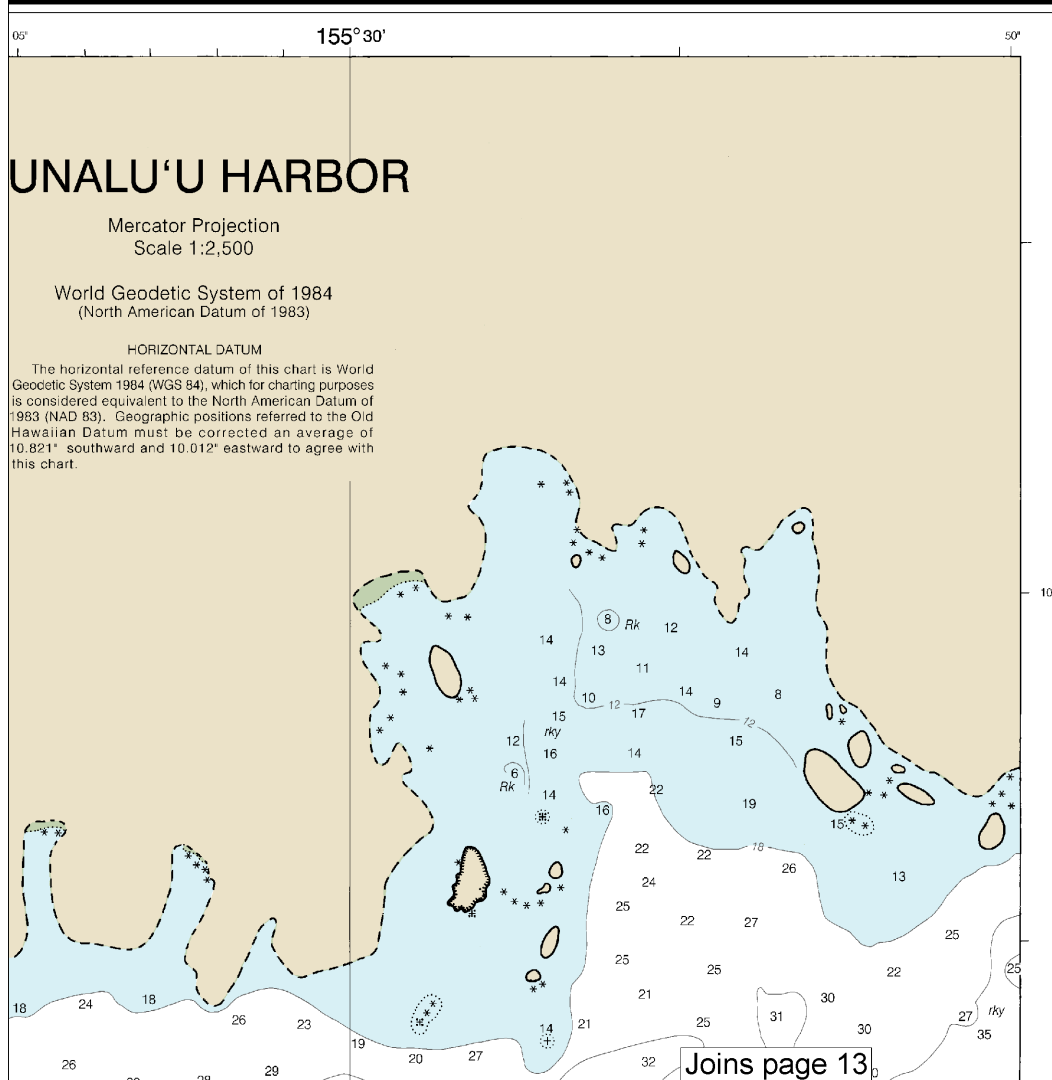
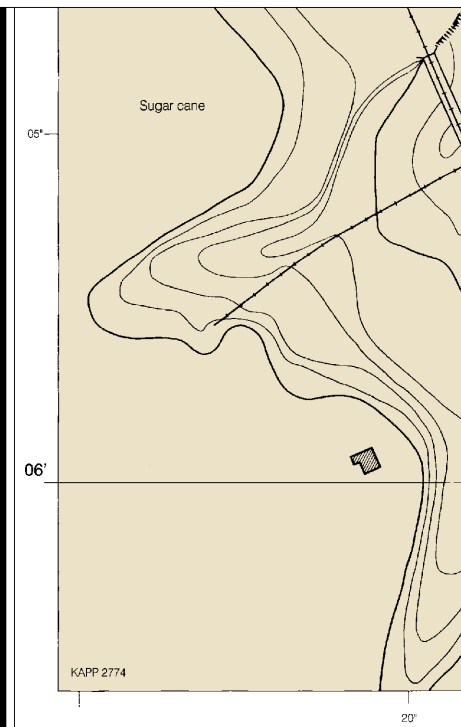
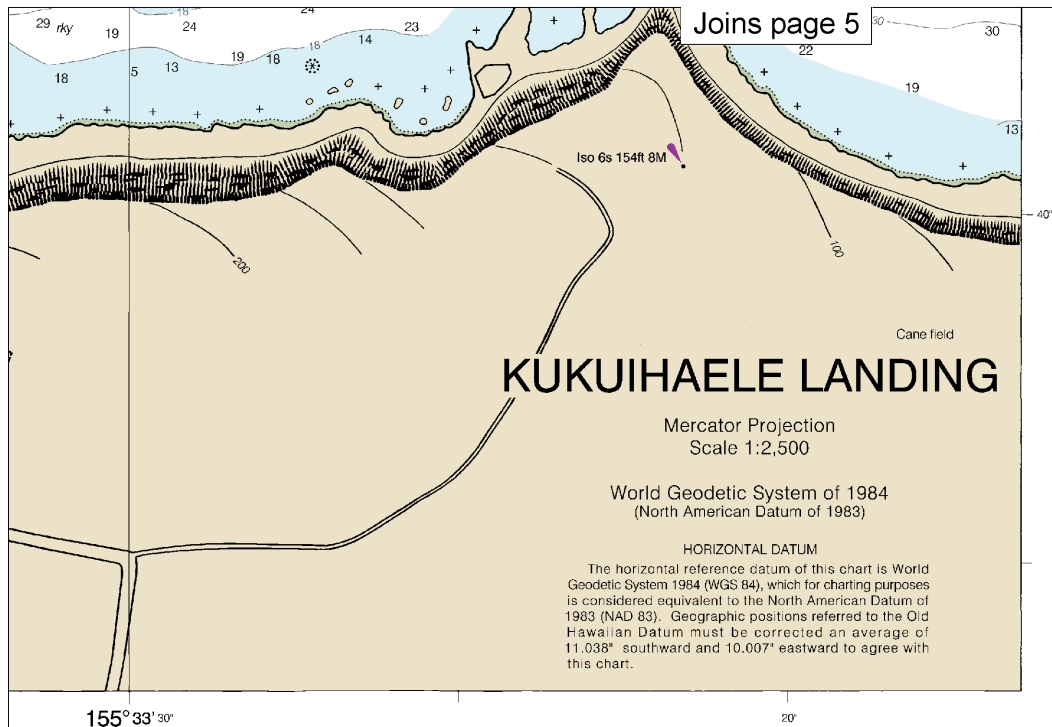
## SOUNDINGS IN FEET

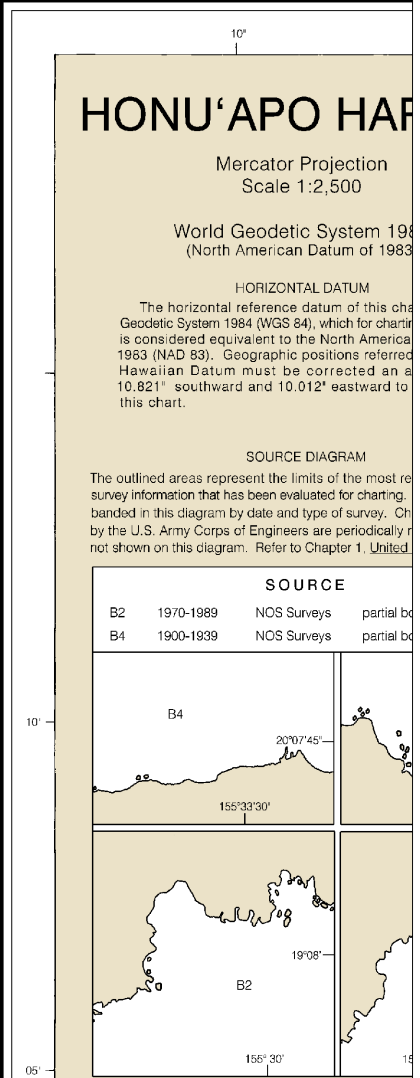
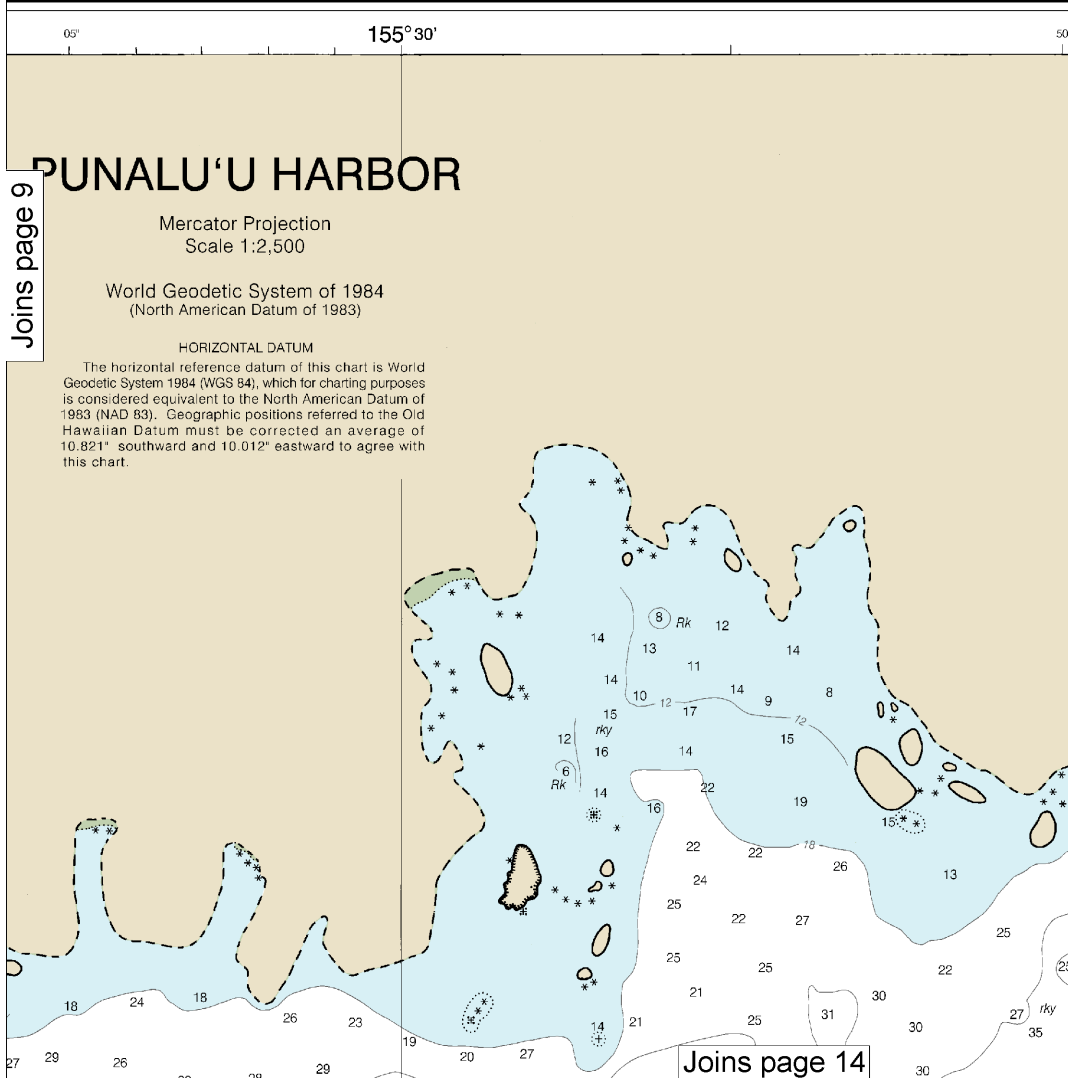
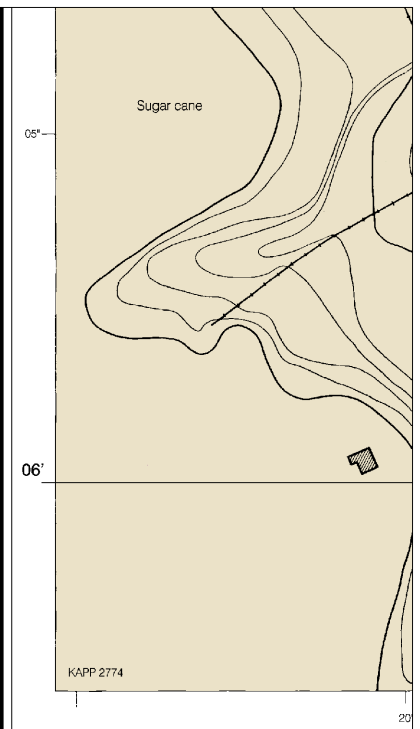
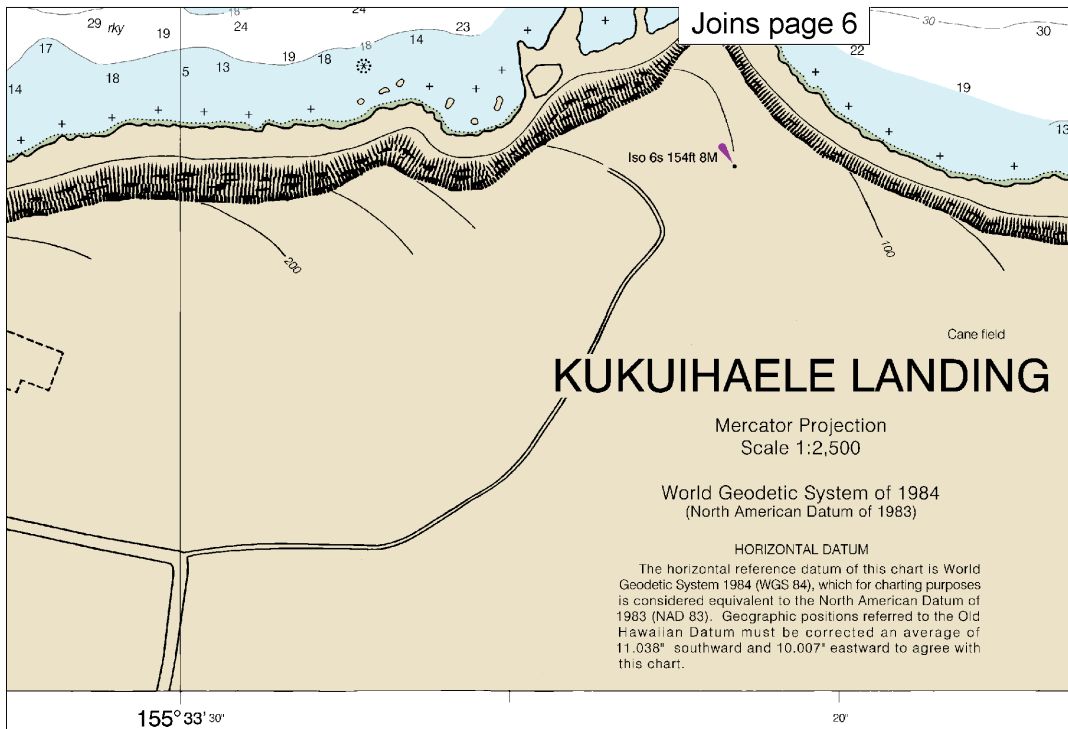


8th Ed., Dec. 2003. Last Correction: 12/20/2013. Cleared through:  
LNM: 4916 (12/6/2016), NM: 5016 (12/10/2016)







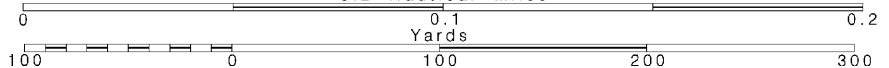


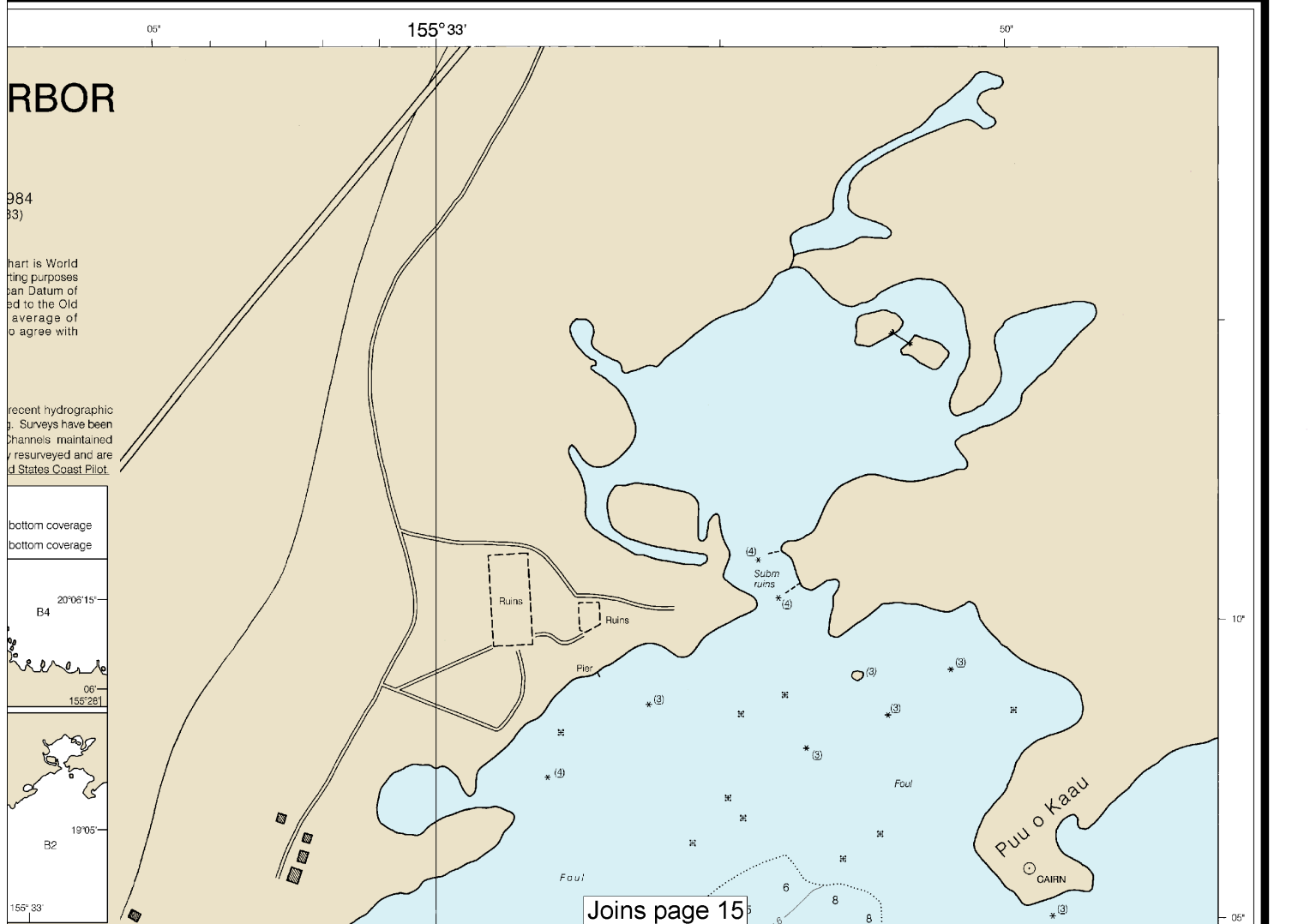
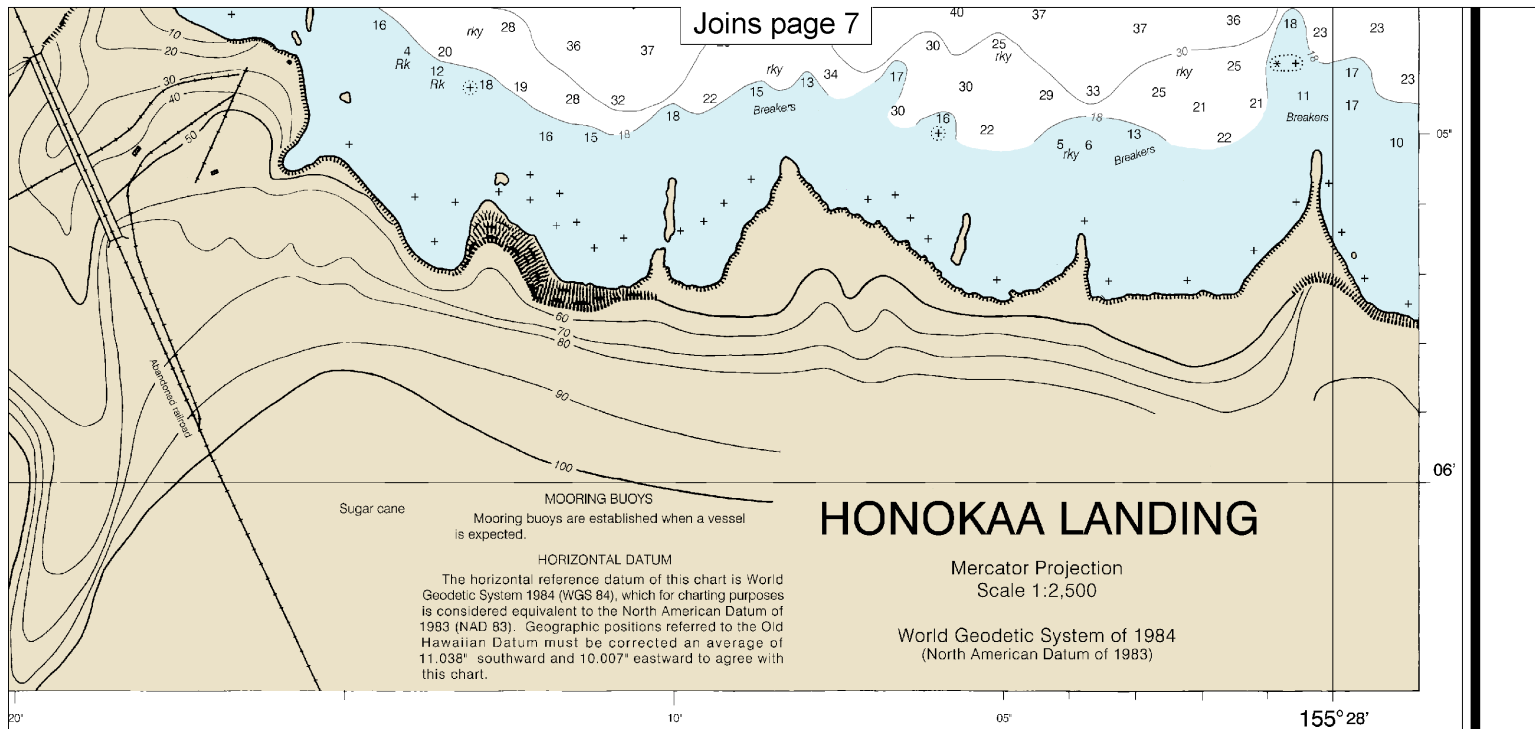
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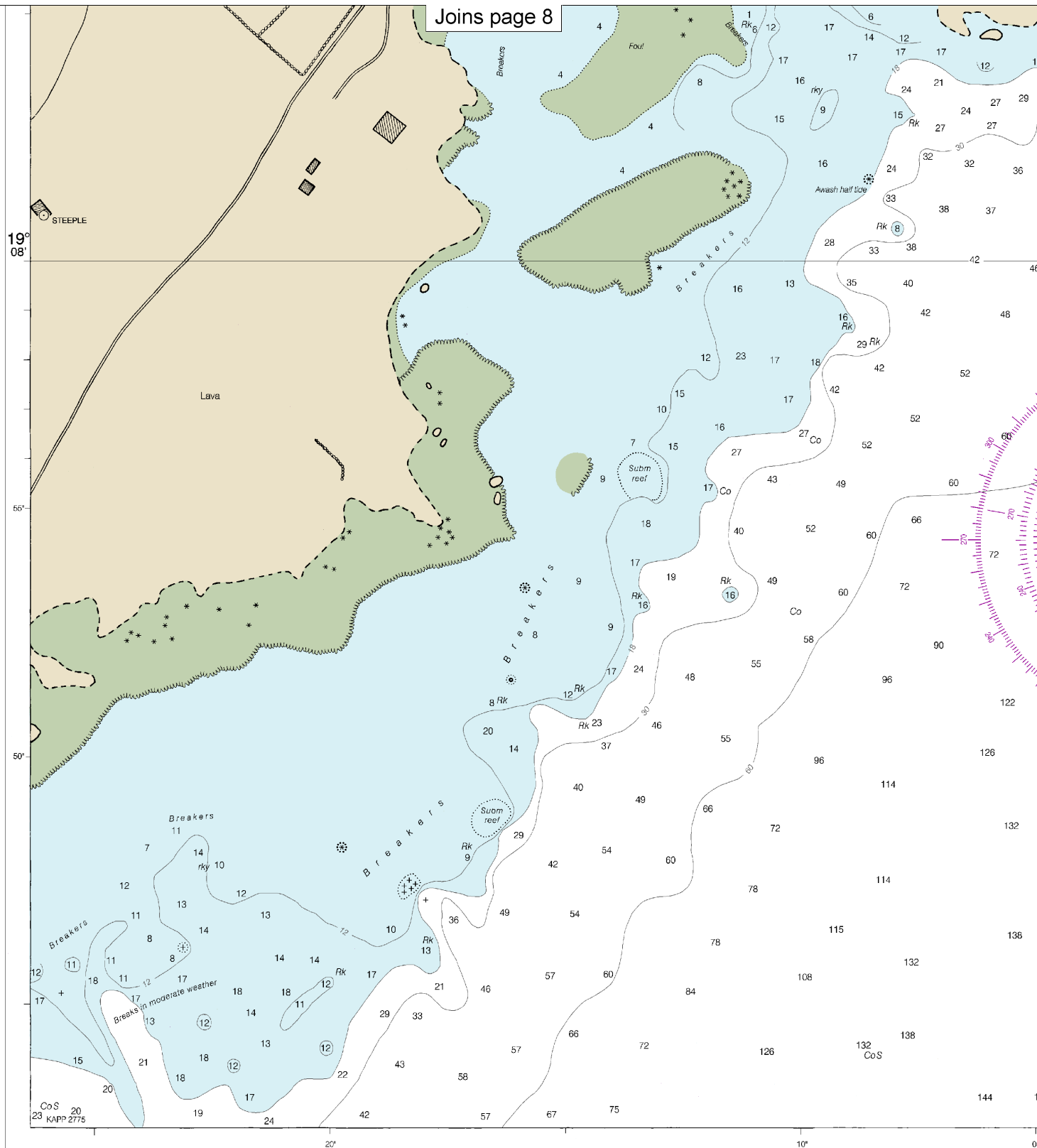
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. SCALE 1:2,500 0.2 Nautical Miles

See Note on page 5.







19322

8th Ed., Dec. 2003. Last Correction: 12/20/2013. Cleared through:  
LNM: 4916 (12/6/2016), NM: 5016 (12/10/2016)

**CAUTION**  
This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Imagery and Mapping Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner.

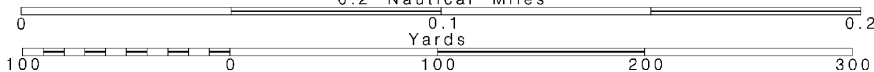
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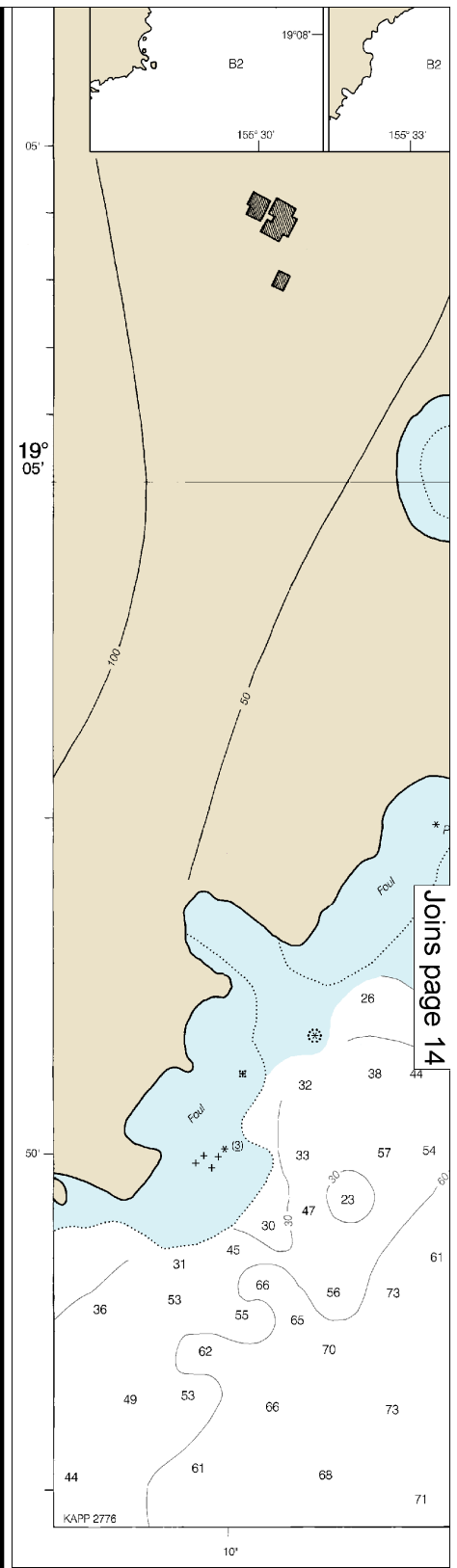
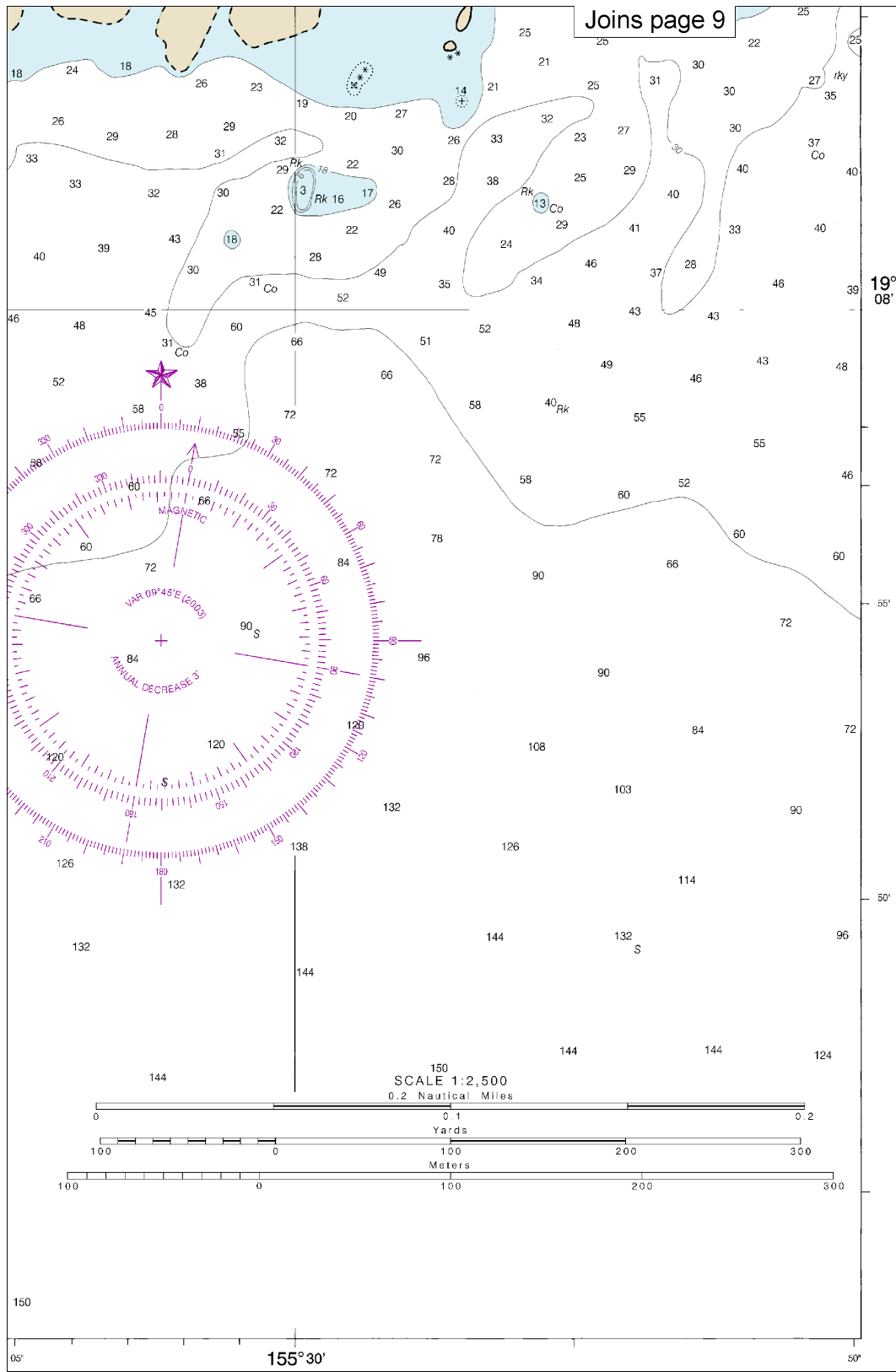
12

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. SCALE 1:2,500

See Note on page 5.



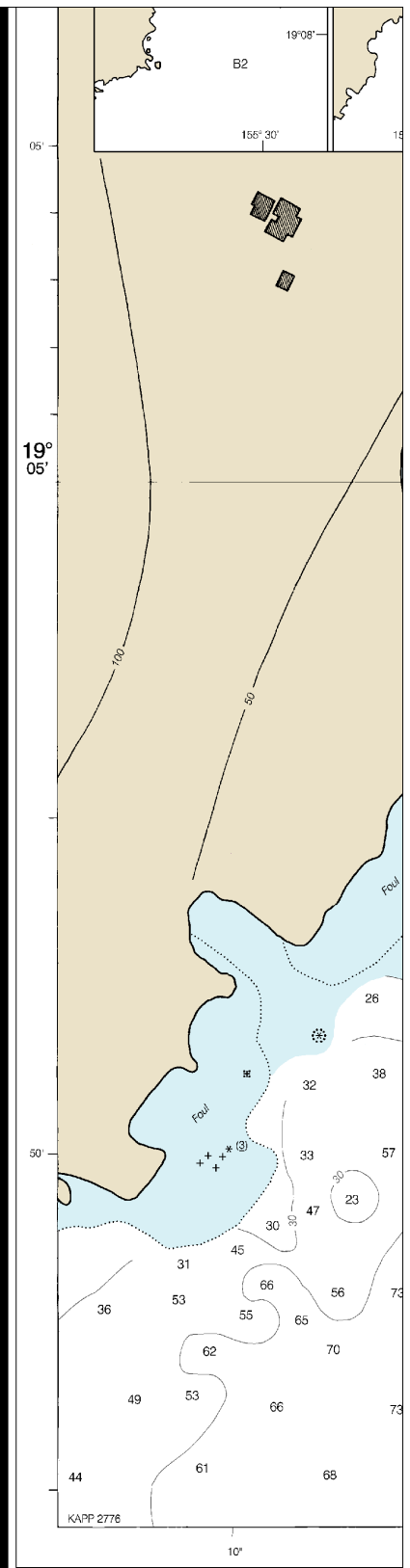
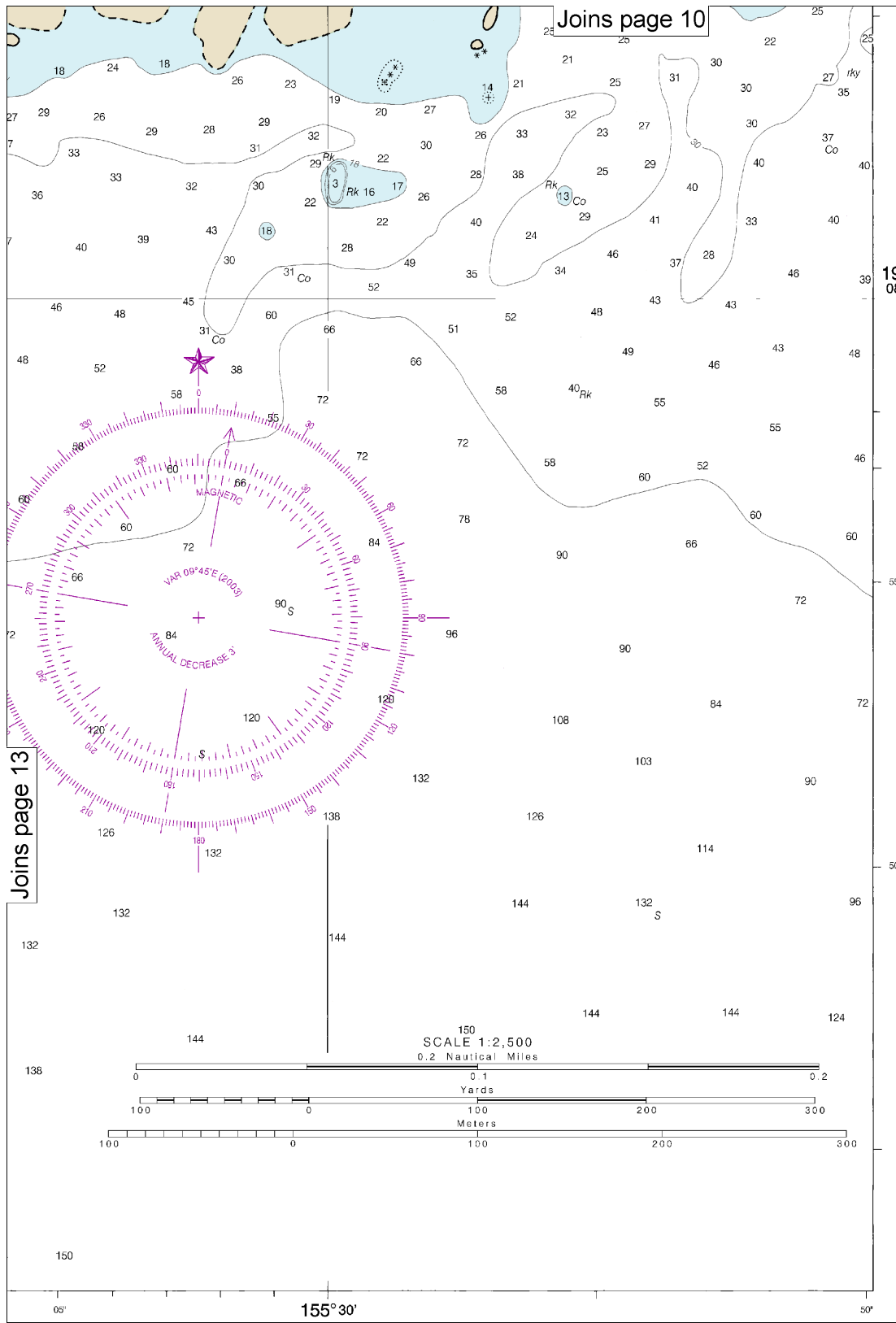


NDINGS IN FEET

Published at Washington, D.C.  
U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SERVICE  
COAST SURVEY

| FATHOMS |  |
|---------|--|
| FEET    |  |
| METERS  |  |





OUNDINGS IN FEET

Published at Washington, D.C.  
U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SERVICE  
COAST SURVEY

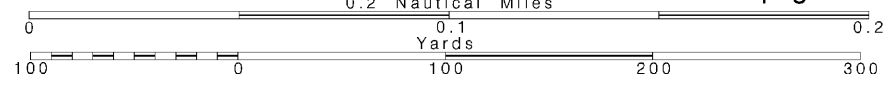
FATH  
FE  
MET

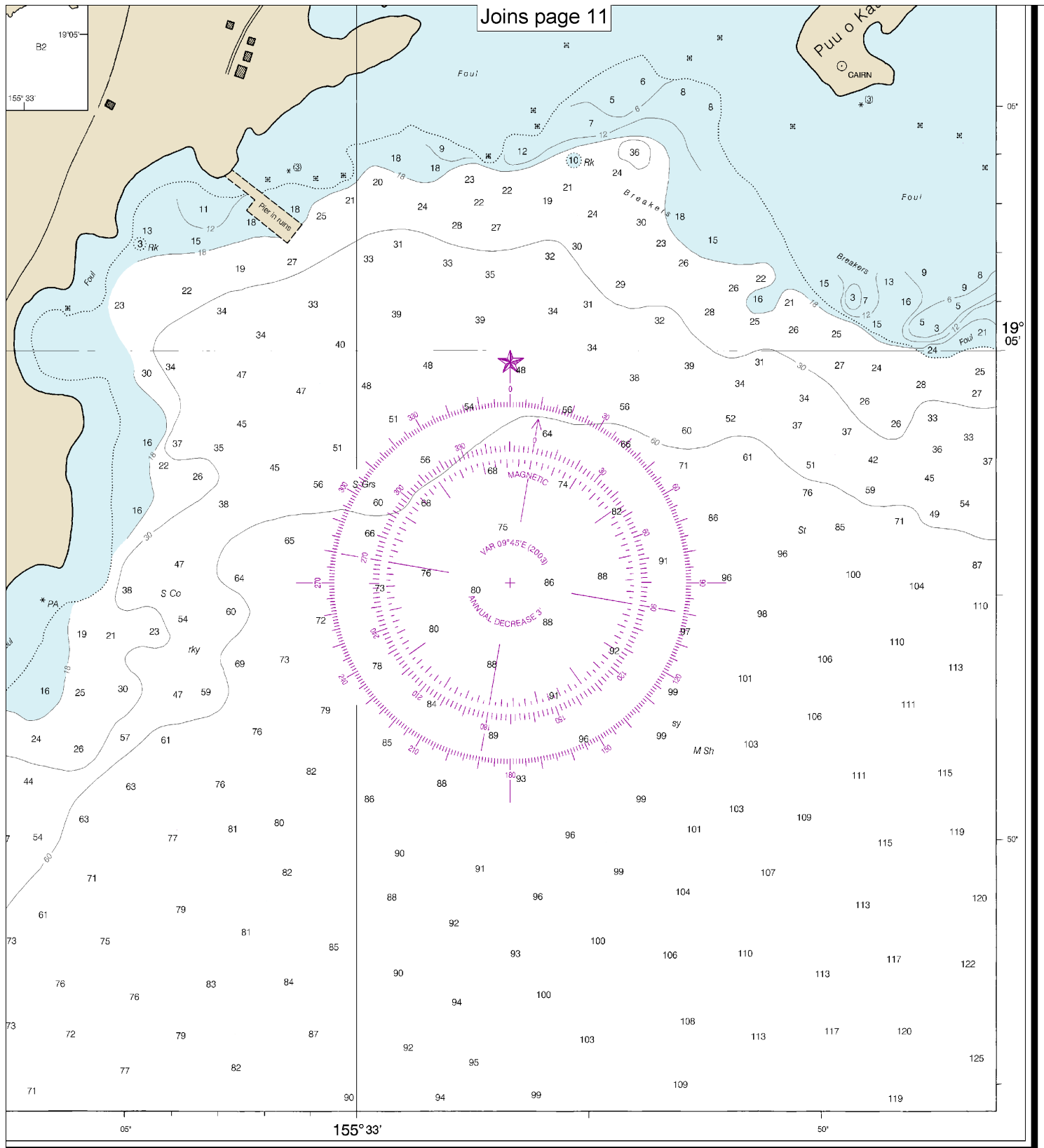
14

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. SCALE 1:2,500  
0.2 Nautical Miles

See Note on page 5.





| THOMS  | 1 | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17  |
|--------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| FEET   | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 |
| METERS | 1 | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17  |

Harbors and Landings, Hawai'i  
SOUNDINGS IN FEET - SCALE 1:2,500

19322



## VHF Marine Radio channels for use on the waterways:

**Channel 6** – Inter-ship safety communications.

**Channel 9** – Communications between boats and ship-to-coast.

**Channel 13** – Navigation purposes at bridges, locks, and harbors.

**Channel 16** – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

**Channel 22A** – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

**Channels 68, 69, 71, 72 and 78A** – Recreational boat channels.

**Getting and Giving Help** — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

## Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

**HAVE ALL PERSONS PUT ON LIFE JACKETS!**



**NOAA Weather Radio All Hazards (NWR)** is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

<http://www.nws.noaa.gov/nwr/>

## Quick References

|   |   |   |
|---|---|---|
| Nautical chart related products and information | — | <a href="http://www.nauticalcharts.noaa.gov">http://www.nauticalcharts.noaa.gov</a>   |
| Interactive chart catalog                       | — | <a href="http://www.charts.noaa.gov/InteractiveCatalog/nrnc.shtml">http://www.charts.noaa.gov/InteractiveCatalog/nrnc.shtml</a>                   |
| Report a chart discrepancy                      | — | <a href="http://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx">http://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx</a>                               |
| Chart and chart related inquiries and comments  | — | <a href="http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs">http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs</a> |
| Chart updates (LNM and NM corrections)          | — | <a href="http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html">http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html</a>               |
| Coast Pilot online                              | — | <a href="http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm">http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm</a>                         |
| Tides and Currents                              | — | <a href="http://tidesandcurrents.noaa.gov">http://tidesandcurrents.noaa.gov</a>   |
| Marine Forecasts                                | — | <a href="http://www.nws.noaa.gov/om/marine/home.htm">http://www.nws.noaa.gov/om/marine/home.htm</a>   |
| National Data Buoy Center                       | — | <a href="http://www.ndbc.noaa.gov/">http://www.ndbc.noaa.gov/</a>   |
| NowCoast web portal for coastal conditions      | — | <a href="http://www.nowcoast.noaa.gov/">http://www.nowcoast.noaa.gov/</a>   |
| National Weather Service                        | — | <a href="http://www.weather.gov/">http://www.weather.gov/</a>   |
| National Hurricane Center                       | — | <a href="http://www.nhc.noaa.gov/">http://www.nhc.noaa.gov/</a>   |
| Pacific Tsunami Warning Center                  | — | <a href="http://ptwc.weather.gov/">http://ptwc.weather.gov/</a>   |
| Contact Us                                      | — | <a href="http://www.nauticalcharts.noaa.gov/staff/contact.htm">http://www.nauticalcharts.noaa.gov/staff/contact.htm</a>                           |



— For the latest news from Coast Survey, follow **@NOAAcharts**



This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.